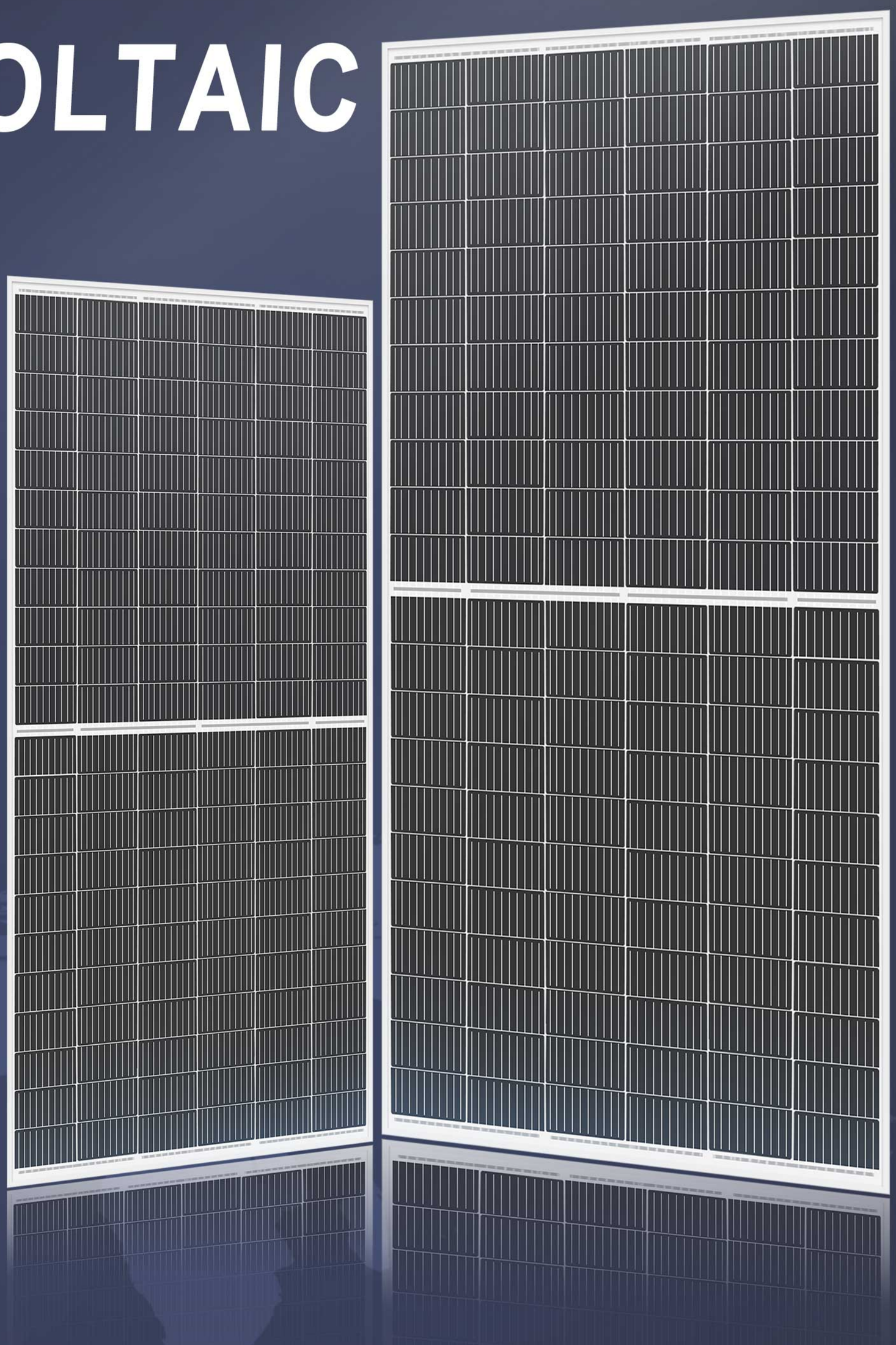
CLASSIC™

ECO DELTA

ECO-645-665M-66UHC

PHOTOVOLTAIC MODULE G12 210mm



12 YEARS PRODUCT MATERIAL & WORKMANSHIP **25 YEARS 84.8%** LINEAR PERFORMANCE WARRANTY	INNOVATIONAL MBB AND HALF-CUT CELLS TECHNOLOGY	REDUCE INTERNAL LOSS REDUCE SHADOW LOSS	MATURE PERC CELL TECHNOLOGY EXCELLENT CELL EFFICIENCY AND OUTPUT	PASSED THREE TIMES **IEC STANDARD TEST**	PASSED HAIL TEST (ICE BALL SIZE : d=45mm)

ECO DELTA MBB Mono Half-Cut 210 Cell PV Module

ECO-645-665M-66UHC

ELECTRICAL DATA @ STC		ECO-645M-66 UHC	ECO-650M-66 UHC	ECO655M-66 UHC	ECO-660M-66 UHC	ECO-665M-66 UHC
Peak Power(Pmax)	(W)	645	650	655	660	665
Maximum Power Voltage (Vmp)	(V)	37.52	37.72	37.91	38.08	38.28
Maximum Power Current(Imp)	(A)	17.19	17.23	17.28	17.33	17.37
Open-circuit Voltage (Voc)	(V)	45.50	45.68	45.87	46.03	46.24
Short-circuit Current(Isc)	(A)	18.58	18.63	18.68	18.73	18.78
Module Efficiency	(%)	20.8	20.9	21.1	21.2	21.4
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		☐1500V				
Maximum Series Fuse Rating		30A				
Power Telorance		0~+3%				

*STC (Standard Test Condition): Irradiance 1000W/ ㎡ , Module Temperature 25°C, AM 1.5

ELECTRICAL DATA @ NMOT		ECO-645M-66 UHC	ECO-650M-66 UHC	ECO-655M-66 UHC	ECO-660M-66 UHC	ECO-665M-66 UHC
Peak Power(Pmax)	(W)	496	500	503	507	511
MPP Voltage (Vmp)	(V)	34.20	34.39	34.55	34.71	34.90
MPP Current(Imp)	(A)	14.49	14.52	14.56	14.61	14.64
Open Circuit Voltage (Voc)	(V)	42.00	42.18	42.35	42.50	42.69
Short Circuit Current(Isc)	(A)	15.80	15.84	15.88	15.92	15.97

*Under Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ ㎡ , Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

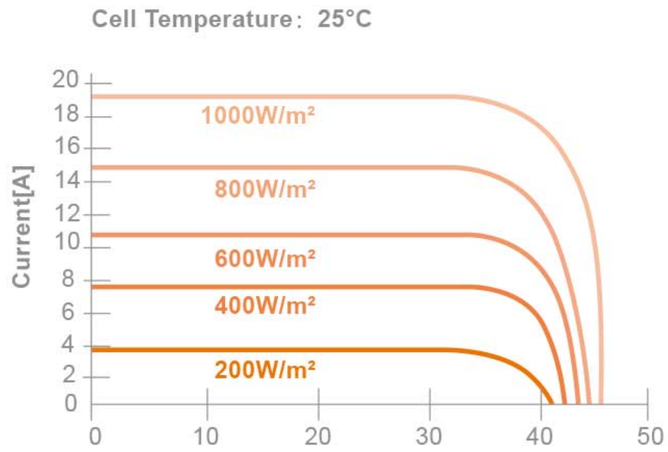
TEMPERATURE CHARACTERISTICS	
Temperature coefficient of Pmax	-0.34%/C
Temperature coefficient of Voc	-0.25%/C
Temperature coefficient of Isc	0.04%/C
NMOT	43±2°C

MECHNICAL DATA	
Cell Type	Mono-Crystalline, 210*105mm
Cell Arrangement	132pcs (2(6×11))
Dimension (L×W×H)	2384 x 1303 x 35mm
Weight	34kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable Type	4mm²
Length of Cable	1400mm
Connector	Compatible with MC4 PV Connector

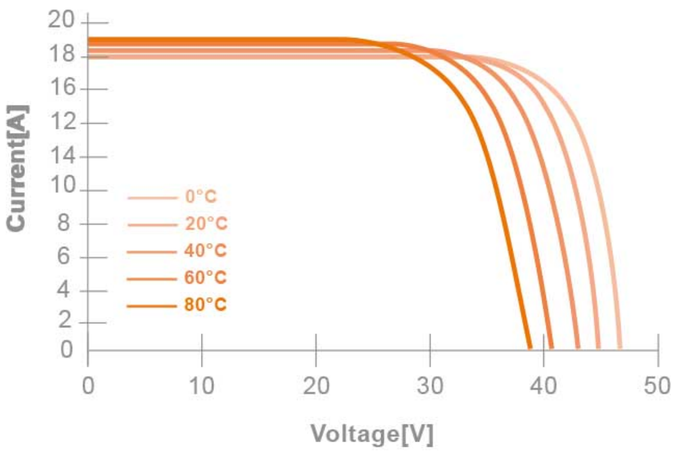
OPTIONAL	
Frame	☐Black
Backsheet	☐Black
Connector	☐Original MC4
Cable	☐Customized
Module Size	☐Customized

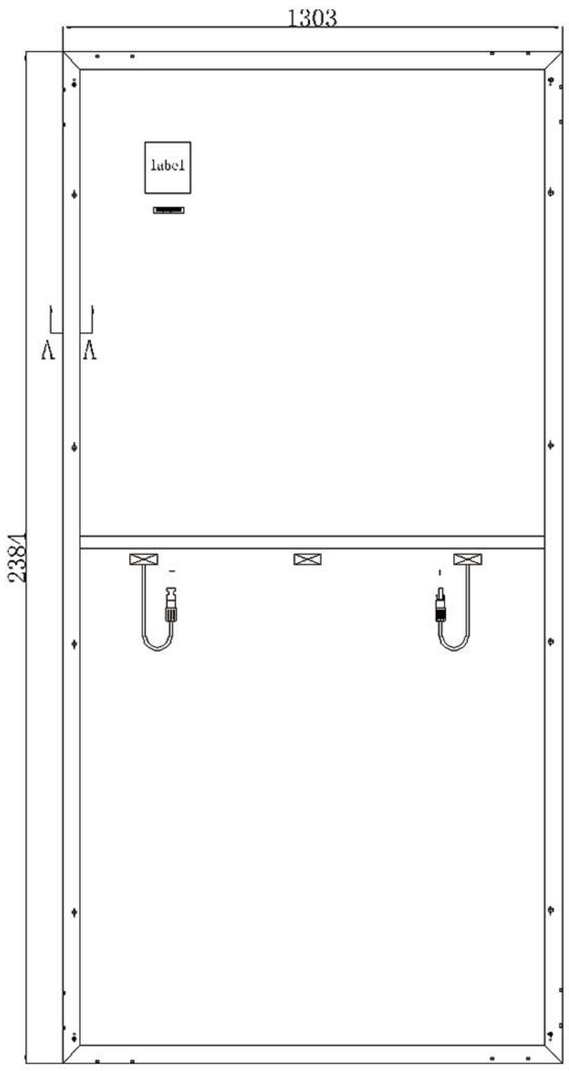
PACKING MANNER	
Packing Type	40'HQ
Piece/Pallet	31
Piece/Container	558

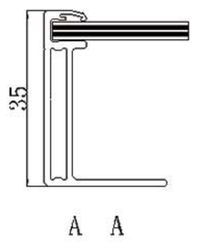
Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures







*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, ECO DELTA POWER CO., LTD Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the produccts described herein.

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